

1- Among the precautions when dealing with electricity is.....

- a. a. not to play with the electric connections
- b. to leave some wires uncovered
- c. to leave the electrical devices on for a long time
- d. all the previous

2- The main idea of the electric lamp depends on.....

- a. the heat and glow of the filament.
- b. the heat and brightness of argon.
- c. the passage of the electric current in sodium vapor.
- d. the passage of the electric current in mercury vapor.

3- In series connection, when one of the lamps is broken, what will happen to the other lamps?

- a. They will not get affected.
- b. They will get broken.
- c. They will turn off.
- d. No correct answer.

4- The glass tube of the fluorescent lamp contains

- a. neon gas
- b. argon gas and a little amount of mercury vapor
- c. argon gas
- d. No correct answer

5- The lamps at home are connected.....

- a. in series
- b. in parallel
- c. both a and b
- d. perpendicularly

6- The filament of light bulbs is made of.....

- a. iron
- b. copper
- c. sodium
- d. tungsten

7- Electric lamps have many uses. choose the way in which both fluorescent lamps and light bulbs are commonly used.

- a. Commercial advertisements
- b. Lighting houses
- c. Car lamps
- d. Torches

8- What is the filament in a light bulb usually made of?

a. Tungsten

b. Copper

c. Iron

d. Glass

9- What did Thomas Edison invent?

a. The fluorescent lamp

b. The light bulb

c. Electricity

d. All of the previous answers

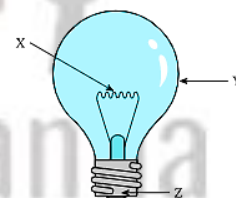
10- Look at this photo of a light bulb. What is X?

a. Base

b. Filament

c. Glass bulb

d. No correct answer



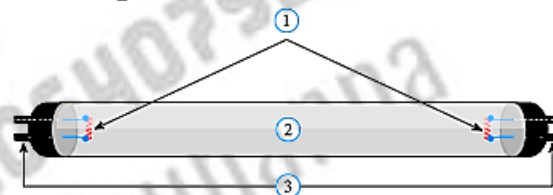
11- Miss Madonna draws a picture of a fluorescent lamp. What label should Miss Madonna write at 1?

a. Tungsten filaments

b. Glass tube

c. Points of connection

d. No correct answer



12- One of the following gases is found in the fluorescent lamp but not in the electric bulb.....

a. Neon

b. Argon

c. Mercury vapor

d. No correct answer

13- All the following are electric insulators except.....

a. Glass

b. Wood

c. Rubber

d. Copper

14- is a good conductor of electricity.

a. Wood

b. Iron

c. Plastic

d. Rubber

15- All of the following materials allow the flow of the electric current except.....

a. Iron

c. Aluminum

b. Rubber

d. Copper

16- An electric shock may cause.....

a. Electric fires

c. Electric overload

b. Electric burns

d. Electric current

17- Fluorescent lamps contains argon gas and a little amount of.....

a. Hydrogen gas

c. Atmospheric air

b. Mercury vapor

d. All the answers are correct

18- The florescent lamp is lined with.....substance.

a. Golden

c. Oily

b. Phosphoric

d. No correct answer

19- Fluorescent lamps and electric bulbs are types of electric lamps. What is found in a fluorescent lamp but not in an electric bulb?

a. A glass bulb

c. Tungsten filaments

b. Argon gas

d. Phosphoric material

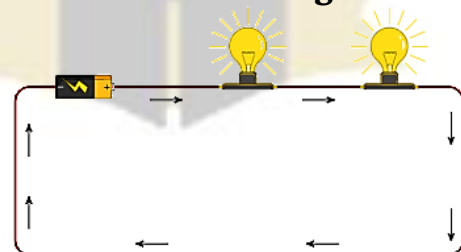
20- This circuit has a single route for electric current to flow through the lamps. This is a circuit.

a. series

b. parallel

c. (a) and (b)

d. No correct answer

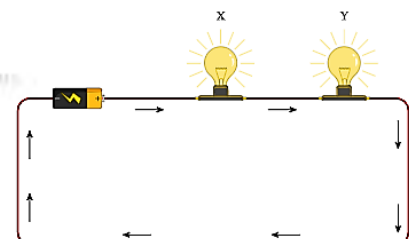


21- Miss Madonna builds an electric circuit. She wants to make lamp X shine more brightly. What can she do?

a. Add another lamp in series

b. Remove lamp Y

c. Add another lamp in parallel



d. No correct answer

22- Lamps in our homes and businesses are connected in..... with the main source of electricity.

a. series

c. parallel and series

b. parallel

d. no correct answer

23- Miss Madonna has three lamps. What type of circuit should she connect them in to get the highest light intensity from each lamp?

a. Series

c. Parallel

b. Series or parallel

d. No correct answer

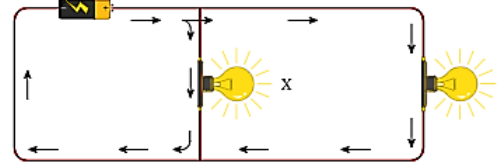
24- Miss Madonna builds a parallel circuit. When Miss Madonna adds another lamp to the circuit, the brightness of lamp X

a. stays the same

b. increases

c. decreases

d. no correct answer



25- Miss Madonna and Hbzlem are talking about materials that conduct electricity. Who is right?

a. Miss Madonna only

b. Hbzlem only

c. Both Hbzlem and Miss Madonna

d. No correct answer

All metals are
conductors of
electricity.

Impure water is a
conductor of
electricity.



26- Connecting in..... is the best way to connect electric lamps and electric devices.

a. Series

c. Series and parallel

b. Parallel

d. No correct answer

27- When disconnecting an electric lamp from a series connection, the rest of the lamps.....

a. Stay lightning

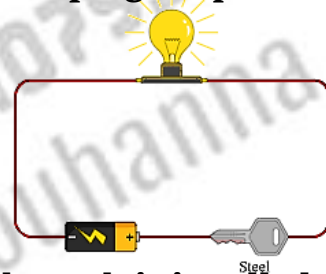
- b. Turn off
- c. Make spark
- d. All the previous answers

28- Electric fires are not put out by water because; water is a/an.....

- a. Electric insulator
- b. Electric conductor
- c. Heat conductor
- d. No correct answer

29- Miss Madonna puts a steel key in an electric circuit. The lamp lights up because the steel key lets electricity flow through the circuit. choose the object that could replace the steel key and make the lamp light up.

- a. A wooden stick
- b. A plastic spoon
- c. An iron nail
- d. All the answers are correct



30- A material that does not allow electricity to flow through it is called an electrical.....

- a. conductor
- b. barrier
- c. insulator
- d. no correct answer

31- Miss Madonna made a list of electrical conductors and insulators. Which material is in the wrong list?

- a. Rubber
- b. Lead
- c. Impure water
- d. Aluminum

Conductors	Copper Aluminum Lead
Insulators	Impure water Rubber

32- Electric burns cause damage to.....

- a. Furniture
- b. Body tissue

c. Clothes

d. No correct answer

33- When increasing the number of lamps in a series connection, the light intensity.....

a. Increases

c. Stay unchanged

b. Decreases

d. No correct answer

34- The filament of the light bulb is made of tungsten because it has.....

a. Low density

c. Low melting point

b. High melting point

d. (A) and (c).

35- The outside of the cable is made of plastic because plastic is an electric.....

a. conductor

c. insulator

b. component

d. no correct answer

36- The electric lamps represent a constant source of light that is

a. Clear

c. Free from smoke and odor

b. Bright

d. All the previous answers

37- The electric lamp converts the electric energy into energy.

a. kinetic

c. sound

b. light

d. magnetic

38- All the following are from the components of the light bulb except

a. the filament.

c. two points of connection.

b. the glass bulb.

d. the base of the light bulb.

39- The filament of the light bulb is made of

a. Tungsten.

c. Iron.

b. Copper.

d. Aluminum.

40- All the following are from the components of the fluorescent lamp except

a. tungsten filaments.

c. two thick copper wires.

b. points of connection.

d. glass tube.

41- Which of the following gases is found in the fluorescent lamp but not in the light bulb ?.

- a. Neon.
- b. Argon.
- c. Mercury vapour.
- d. Water vapour.

42- The inner surface of the tube of the fluorescent lamp is covered with.....

- a. mercury.
- b. a phosphoric material.
- c. copper.
- d. tungsten.

43- There are two points of connection at each tip of the fluorescent lamp

- a. to react with tungsten filament.
- b. to connect the lamp to electricity.
- c. to prevent air from reaching the filament.
- d. (a) , (b) and (c).

44- We need a light bulb, battery and connecting wires connected together in a closed continuous path to

- a. obtain a continuous electric circuit.
- b. make a simple electric circuit.
- c. make the bulb lights up.
- d. (a) , (b) and (c).

45- When we connect more than one bulb in series to an electric source, the light intensity of the bulbs

- a. decreases.
- b. increases.
- c. does not change.
- d. (a) , (b) and (c).

46- When we connect more than one bulb in parallel to an electric source, the light intensity of the bulbs

- a. decreases.

- b. increases.
- c. does not change.
- d. (a) , (b) and (c).

47- If we have three light bulbs and we need to get high light intensity, so we must connect them

- a. in series.
- b. in parallel.
- c. (a) and (b).
- d. without copper wires.

48- When we unscrew a bulb from those that are connected in series,

- a. the unscrewed lamp only will be turned off.
- b. all lamps still lighting.
- c. no lamp will be turned off.
- d. all lamps will be turned off.

49- The light bulbs are connected in in the house.

- a. parallel
- b. series
- c. parallel and series
- d. series in some places and in parallel in the other places

50- In our daily life, electricity can be used in

- a. cooking and preserving food.
- b. lighting houses and factories.
- c. operating some machines.
- d. (a) , (b) and (c).

51- is a good conductor of electricity.

- a. Wood
- b. Iron
- c. Plastic
- d. Glass

52- All the following materials allow the flow of the electric current except

.....

a. iron.

c. rubber.

b. copper.

d. aluminium.

53- Materials that don't allow the flow of electricity through them are called

.....

a. electric conductors.

c. electric insulators.

b. electric burns.

d. electric fires.

54- Materials that allow the flow of electricity through them are

a. electric conductors.

c. electric shocks.

b. electric insulators.

d. electric fires.

55- All the following are from the direct injuries except

a. fires resulting from electricity.

c. the electric shock.

b. falling from the top of a ladder.

d. electric burns.

56- Plugging many appliances (machines) to one socket may cause

a. electric overload.

c. fires.

b. heating up of wires.

d. (a) , (b) and (c).

57- Water cannot be used to put out electric fires, because

a. it is a good conductor of electricity.

b. it is a bad conductor of electricity.

c. it may evaporate.

d. it is not cold.

58- occurs due to passing the electric current through the human body.

a. Electric shock

c. Electric burn

b. Electric fire

d. Electric overload

59- The harms resulting from the electric shock depend on

a. the time taken by the current to pass through the human body.

b. the strength of the electric current passing through the human body.

- c. the heavy clothes that covered the human body.
- d. (a) and (b).

60- The electric shock may cause

- a. electric fires.
- b. electric overload.
- c. electric burns.
- d. electric current.

61- To avoid the occurrence of electric shock, you should not

- a. touch the naked wires.
- b. touch electric machines with wet hand.
- c. put metallic objects in the electric socket.
- d. (a) , (b) and (c).

62- Which of the following is from the precautions in dealing with electricity ?

- a. Place several connections in the same socket.
- b. Play with the electric connections.
- c. Don't clean any electric machine, while being connected to the electricity.
- d. Place the flammable materials as curtains close to the machines that generate heat.

63- Electric wires must be covered with

- a. copper.
- b. plastic.
- c. iron.
- d. lead.



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Answers

1	A
2	A
3	C
4	B
5	B
6	D
7	B
8	a
9	B
10	b
11	A
12	C
13	D
14	B
15	B
16	B
17	B
18	B
19	D
20	A
21	B
22	B
23	C
24	A
25	C
26	B
27	B
28	B
29	C

30	C
31	C
32	B
33	B
34	B
35	C
36	D
37	B
38	C
39	A
40	C
41	C
42	B
43	B
44	D
45	A
46	C
47	B
48	D
49	A
50	D
51	B
52	C
53	C
54	A
55	B
56	D
57	A
58	A
59	D
60	C
61	D
62	C
63	b

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Choose ?

1. The is the main source of light energy on the Earth.
☐ A Moon ☐ B Sun ☐ C Electric lamp ☐ D Oil lamp
2. Electric lamps convert electric energy into energy.
☐ A Sound ☐ B Magnetic ☐ C Light ☐ D Kinetic
3. The is the source of electric charges in the electric circuit.
☐ A Battery ☐ B Switch ☐ C Light bulb ☐ D Electric wire
4. Electric wires are made up of
☐ A Iron ☐ B Plastic ☐ C Tungsten ☐ D Copper
5. The filament of the light bulb is made of
☐ A Copper ☐ B Iron ☐ C Tungsten ☐ D Aluminum
6. The is a natural source of light.
☐ A Torch ☐ B Sun ☐ C Candle ☐ D Electric lamp
7. prevents air from reaching the filament.
☐ A Filament ☐ B Glass bulb ☐ C Copper wire ☐ D Lamp's base
8. The heats up and emits light, when electric current pass through it.
☐ A Glass bulb ☐ B Copper wire ☐ C Argon gas ☐ D Filament
9. The fluorescent lamp is empty of all these except gas.
☐ A Neon ☐ B Hydrogen ☐ C Nitrogen ☐ D Argon
10. Carries the lamp in upright position.
☐ A Filament ☐ B Copper wire ☐ C Light bulb ☐ D Lamp's base
11. If the lamp's filament was made of iron, it would
☐ A Melt ☐ B Boil ☐ C Coil ☐ D Be cold
12. Connects the light bulb with electricity.
☐ A Argon gas ☐ B Glass bulb ☐ C Lamp's base ☐ D Filament



13. The filament of the light bulb heats up and glow, when the passes through

- ☐ A Air ☐ B Argon ☐ C Heat ☐ D Electricity

14. The electric lamps contain gas.

- ☐ A Hydrogen ☐ B Argon ☐ C Neon ☐ D Oxygen

15. The fluorescent lamp consists of filament(s).

- ☐ A One ☐ B Two ☐ C Three ☐ D Four

16. The inner surface of the fluorescent lamps is covered with

- ☐ A Copper ☐ B Argon ☐ C Iron ☐ D Phosphoric material

17. All of these found in the fluorescent lamp except

- ☐ A Argon ☐ B Mercury ☐ C Filament ☐ D Base

18. In series connection, electric current has

- ☐ A One path ☐ B Two paths ☐ C No path ☐ D Several paths

19. is used to open or close the electric circuit.

- ☐ A Battery ☐ B Copper wire ☐ C Light bulb ☐ D Switch

20. Electric wires are covered with

- ☐ A Copper ☐ B Iron ☐ C Plastic ☐ D Aluminium

21. All of these are good electric conductors, except

- ☐ A Copper ☐ B Lead ☐ C Glass ☐ D Iron

22. When a lamp is connected in series with a damaged lamp, the lamp will

- ☐ A Turn on ☐ B Turn off ☐ C Be damaged ☐ D Decrease light intensity

23. is a closed path through which electricity passes.

- ☐ A Electric current ☐ B Light bulb ☐ C Filament ☐ D Electric circuit

24. Handles of the electric devices are made of

- ☐ A Copper ☐ B Aluminium ☐ C Plastic ☐ D Iron

25. is a good conductor of electricity.

- ☐ A Wood ☐ B Iron ☐ C Rubber ☐ D Plastic



26. is an electric insulator.

- ☐ A Lead ☐ B Copper ☐ C Wood ☐ D Iron

27. The electric cables are made up of

- ☐ A Copper ☐ B Plastic ☐ C Iron ☐ D Tungsten

28. Electric shock occurs due to passing through the human body.

- ☐ A Heat ☐ B Water ☐ C Air ☐ D Electric current

29. is a bad conductor of electricity.

- ☐ A Water ☐ B Human ☐ C Air ☐ D Iron

30. Plugging more than one machine in one socket causes

- ☐ A Electric fire ☐ B Electric shock ☐ C Regular fire ☐ D Indirect injury

31. All of these are direct injuries of electricity except

- ☐ A Electric fires ☐ B Electric burns ☐ C Electric shock ☐ D Falling from a ladder

32. results from the electric overload.

- ☐ A Electric fire ☐ B Electric shock ☐ C Electric burn ☐ D Regular fire

33. A piece of makes the electric circuit open when it is a part of the circuit.

- ☐ A Iron ☐ B Copper ☐ C Wood ☐ D Aluminum

34. allows electricity to pass though it.

- ☐ A Copper ☐ B Plastic ☐ C Wood ☐ D Glass

35. is used to put out electric fires.

- ☐ A Sand ☐ B Water ☐ C Air ☐ D Cloth

36. leads to the damage of the body tissues.

- ☐ A Electric burn ☐ B Electric fire ☐ C Electric shock ☐ D Falling from a ladder

37. The harm of electric burn depends on of the electric current passing in the body.

- ☐ A Length ☐ B Strength ☐ C Shape ☐ D Speed



38. All of these are flammable materials except

- ☐ A Clothes ☐ B Carpet ☐ C Sand ☐ D Curtains

39. A bar made of is used to push injured person during electric accidents.

- ☐ A Iron ☐ B Wood ☐ C Copper ☐ D Aluminum

40. Placing an electric heater near to furniture causes

- ☐ A Electric fire ☐ B Regular fire ☐ C Electric shock ☐ D Electric burn

41. When a man touches an uncovered wire having electric current, it causes

- ☐ A Electric fire ☐ B Electric shock ☐ C Regular fire ☐ D Electric burn

42. The electric fire when putting out it with water.

- ☐ A Decreases ☐ B Increases ☐ C Puts off ☐ D Reduces

43. exists in the fluorescent lamp and not found in the light bulb.

- ☐ A Argon ☐ B Filament ☐ C Mercury vapour ☐ D Air

44. Fluorescent lamp has points of connection.

- ☐ A Two ☐ B One ☐ C Three ☐ D Four

45. The glass tube of fluorescent lamp is vacuumed from

- ☐ A Air ☐ B Argon ☐ C Mercury ☐ D Water

46. wire connects the filament with the base of the light bulb.

- ☐ A Iron ☐ B Tungsten ☐ C Copper ☐ D Aluminum

47. Spiral base has Piece(s) of lead.

- ☐ A One ☐ B Two ☐ C Three ☐ D Four

48. There are point(s) of connection at each tip of the fluorescent lamp.

- ☐ A One ☐ B Two ☐ C Three ☐ D Four

49. On increasing the number of electric lamps in series connection, the light intensity

- ☐ A Decreases ☐ B Is doubled ☐ C Increases ☐ D Doesn't change



50. On increasing the number of electric lamps in parallel connection, the light intensity

- ☐ A Increases ☐ B Stays constant ☐ C Decreases ☐ D Is doubled

51. Light intensity of lamps in series connection decreases, when number of lamps

- ☐ A Decreases ☐ B Increases ☐ C Doesn't change ☐ D Reduces

52. is used to distinguish electric fires.

- ☐ A Sand ☐ B Water ☐ C Cloth ☐ D Curtains

53. Two-side nails base has two pieces of to connect it with electricity.

- ☐ A Copper ☐ B Tungsten ☐ C Aluminium ☐ D Lead

54. occurs when placing flammable material near to a machine generating heat.

- ☐ A Electric burn ☐ B Electric fire ☐ C Electric shock ☐ D Indirect injury

55. All of these machines generate heat except

- ☐ A Electric heater ☐ B Electric iron ☐ C Light bulb ☐ D Electric fan

56. The fluorescent lamp contains a little of

- ☐ A Oxygen ☐ B Nitrogen ☐ C Water vapour ☐ D Mercury vapour

57. The filament is made of tungsten as it has high point.

- ☐ A Boiling ☐ B Melting ☐ C Freezing ☐ D Connecting

58. has the highest melting point.

- ☐ A Iron ☐ B Aluminium ☐ C Tungsten ☐ D Copper

59. is the scientist who invented the electric lamp.

- ☐ A Edison ☐ B Newton ☐ C Archimedes ☐ D Faraday

60. All of these are artificial source of light except

- ☐ A Electric lamps ☐ B Sun ☐ C Candles ☐ D Oil lamps

61. All of these from the properties of the light of electric lamps except

- ☐ A Clear ☐ B Bright ☐ C having smoke ☐ D Free of odor



62. The filament of the light bulb is made up of

- ☐ A Iron ☐ B Tungsten ☐ C Copper ☐ D Aluminium

63. is made of thin glass and contains argon gas.

- ☐ A Filament ☐ B Electric wire ☐ C Base ☐ D Glass bulb

64. Glass bulb of the lamp contains argon gas tothe lifetime of the lamp.

- ☐ A Decrease ☐ B Increase ☐ C Doesn't affect ☐ D Reduce

65. Increasing the temperature of electric machines, causes

- ☐ A Electric burn ☐ B Electric fire ☐ C Electric shock ☐ D Indirect injury

66. The electric shock may cause

- ☐ A Electric fires ☐ B Electric burn ☐ C Electric overload ☐ D Indirect injury

67. The glass tube of the fluorescent lamp contains gas.

- ☐ A Neon ☐ B Argon ☐ C Oxygen ☐ D Hydrogen

68. Electric cables must be covered with

- ☐ A Iron ☐ B Copper ☐ C Aluminum ☐ D Plastic

69. All of these are good electric conductors except

- ☐ A Lead ☐ B Aluminium ☐ C Rubber ☐ D Iron

70. By increasing the number of the light bulbs connecting in series, light intensity

- ☐ A Decreases ☐ B Duplicates ☐ C Increases ☐ D Remains constant

71. Is from the electric insulators.

- ☐ A Copper ☐ B Wood ☐ C Aluminium ☐ D Copper

72. All of these don't allow electric current to flow through them except

- ☐ A Glass ☐ B Wood ☐ C Paper ☐ D Iron

73. is present in the fluorescent lamp and isn't present in the light bulb.

- ☐ A Argon ☐ B Filament ☐ C Neon ☐ D Mercury vapour



1. b	13. d	26. C	38. C	50. b	62. b
2. C	14. b	27. a	39. b	51. b	63. d
3. a	15. b	28. d	40. a	52. a	64. b
4. d	16. d	29. C	41. b	53. d	65. b
5. C	17. d	30. a	42. b	54. b	66. b
6. b	18. a	31. d	43. C	55. d	67. b
7. B	19. d	32. a	44. d	56. d	68. d
8. d	20. C	33. C	45. a	57. b	69. C
9. d	21. C	34. a	46. C	58. C	70. a
10. d	22. b	35. a	47. a	59. a	71. b
11. a	23. d	36. a	48. b	60. b	72. d
12. C	24. C	37. b	49. a	61. C	73. d
13.	25. B				

SOHA SAMY
Science teacher



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Choose the correct answer unit two lesson one

1-from the natural source of light is.....

- a- Candle b- torch c-oil lamp d-sun

2-from the artificial source of light is.....

- a-sun b-electric lamp c- stars d-a and b

3-All of these examples are artificial sources except

- a-oil lamp b- candle c-stars d-torch

4-the main source of light on earth is

- a-moon b-candle c-sun d-all of them

5-it is a tool converts electric energy into light energy

- a-oil lamp b-electric lamp c-sun d-torch

6-the scientist who invented the light bulb

- a-newton b-bohr c-Archimedes d-Edison

7-from the popular type of electric lamps are

- a-light bulb b- oil lamp c-fluorescent lamp d-a and c

8-the filament of light bulb is made of

- a-iron b-tungsten c-copper d-lead

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9-the light bulb filled withinert gas

a-argon b-oxygen c-air d-neon

10-they transfer electricity from base to filament

a-piece of lead b-tungsten c-copper and lead wires

11-spiral base haspiece of lead

a-1 b-2 c-3 d-4

12-base has two pieces of lead and two side nails

a-spiral b-circular c-rectangular d-two side nails

13-carries the light bulb upright and connect it with electricity

a-base b-filament c-wire d-argon

14-the tungsten hasmelting point

a-low b-high c-medium d-no correct answer

15-type of electric lamp that used in commercial advertisement

a-light bulb b- torches c-fluorescent lamp

16-fluorescent lamp has..... tungsten filament

a-2 b-3 c-1 d-5

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17-inner surface of fluorescent lamp covered with....material

a-argon b-lead c-phosphoric d-a and c

18-fluorescent lamp contains

a-argon gas b-mercury vapor c-a and b

19-they connect the lamp with electric current

a-filament b-wire c-two point of connection

20-fluorescent lamp doesn't contain

a-argon b-neon c-mercury vapor

21-when electricity passes through it heats up and emits light

a-filament b-base c-wire d-a and c

22-the electric circuit contain

a-battery b-wires c- lamp d- all of them

23-method of connection which connect lamps one after one in the same route and if one lamp damage turn off the others

a-series b-parallel c-a and b

24-lamps in house are connected with....

a-series b-parallel c-a and b

April revision science grade six Abeer samir

25-the source of electricity in electric circuit

a-wire b-switch c-battery d-lamp

Abeer Samir

جروب الفيس تعالوا نتعلم صح مع ميس عبيرسمير

Model answers unit two lesson one

1-from the natural source of light is.....

- a- Candle b- torch c-oil lamp **d-sun**

2-from the artificial source of light is.....

- a-sun **b-electric lamp** c- stars d-a and b

3-All of these examples are artificial sources except

- a-oil lamp b- candle **c-stars** d-torch

4-the main source of light on earth is

- a-moon b-candle **c-sun** d-all of them

5-it is a tool converts electric energy into light energy

- a-oil lamp **b-electric lamp** c-sun d-torch

6-the scientist who invented the light bulb

- a-newton b-bohr c-Archimedes **d-Edison**

7-from the popular type of electric lamps are

- a-light bulb b- oil lamp c-fluorescent lamp **d-a and c**

8-the filament of light bulb is made of

- a-iron **b-tungsten** c-copper d-lead

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9-the light bulb filled withinert gas

a-argon b-oxygen c-air d-neon

10-they transfer electricity from base to filament

a-piece of lead b-tungsten c-copper and lead wires

11-spiral base haspiece of lead

a-1 b-2 c-3 d-4

12-base has two pieces of lead and two side nails

a-spiral b-circular c-rectangular d-two side nails

13-carries the light bulb upright and connect it with electricity

a-base b-filament c-wire d-argon

14-the tungsten hasmelting point

a-low b-high c-medium d-no correct answer

15-type of electric lamp that used in commercial advertisement

a-light bulb b- torches c-fluorescent lamp

16-fluorescent lamp has..... tungsten filament

a-2 b-3 c-1 d-5

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17-inner surface of fluorescent lamp covered with....material

a-argon b-lead c-phosphoric d-a and c

18-fluorescent lamp contains

a-argon gas b-mercury vapor c-a and b

19-they connect the lamp with electric current

a-filament b-wire c-two point of connection

20-fluorescent lamp doesn't contain

a-argon b-neon c-mercury vapor

21-when electricity passes through it heats up and emits light

a-filament b-base c-wire d-a and c

22-the electric circuit contain

a-battery b-wires c- lamp d- all of them

23-method of connection which connect lamps one after one in the same route and if one lamp damage turn off the others

a-series b-parallel c-a and b

24-lamps in house are connected with....

a-series b-parallel c-a and b

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25-the source of electricity in electric circuit

a-wire

b-switch

c-battery

d-lamp

سيتم اضافة اسئلة الدرس التالى قريبا
تابعونى على جروب الفيس تعالوا نتعلم
صح مع ميس عبير سمير
وقناة اليوتيوب عشاق السايانس

جروب الفيس تعالوا نتعلم صح مع ميس عبير سمير



April Revision

★ Choose the right answer:

Mr. Ahmed ElBasha

1. Tungsten is preferred to use in electric lamps because of

- a. its low melting point.
- b. its high melting point.
- c. its bad conductivity.
- d. its high boiling point.

2. Glass bulb in electric lamp contains gas.

- a. hydrogen
- b. oxygen
- c. argon
- d. nitrogen

3. The filament of the electric lamp is made up of

- a. iron.
- b. tungsten.
- c. copper.
- d. aluminum.

4. The electric lamp converts the electric energy to the energy.

- a. sound
- b. light
- c. kinetic
- d. potential

5. is considered from electric conductors.

- a. Iron
- b. Plastic
- c. Wood
- d. Eraser

6. All the following are bad conductors of electricity except

- a. copper.
- b. plastic.
- c. rubber.

7. The inventor of the electric lamp is

- a. Daniel Rutherford.
- b. Edison.
- c. Newton.

8. From the electric insulator substances is

- a. rubber.
- b. iron bar.
- c. aluminium bar.

9. Operating more than one machine from one socket causes an

- a. electric fire.
- b. electric burn.
- c. electric shock.

10. Which of the following gases is found in the fluorescent lamp, but not in the light bulb?

- a. Neon.
- b. Mercury vapor.
- c. Argon.

11.Plugging many machines to one socket may cause

- a. electric overload. b. electric fires. c. both (a) and (b).

12.When connecting the light bulbs in parallel with many light bulbs the light intensity

- a. decreases. b. increases. c. remains constant.

13.Electric wires must be covered with

- a. plastic. b. iron. c. aluminum.

14..... is considered from electric conductors.

- a. Plastic b. Iron c. Wood

15.The electric wires are made of

- a. plastic. b. wood. c. copper.

16.The filament inside the electric lamp is made of

- a. aluminum. b. tungsten. c. iron.

17.The fluorescent lamp contains the inert gas.

- a. hydrogen b. nitrogen c. argon d. helium

18.The electric lamps are connected in the house in

- a. series. b. parallel. c. variable. d. (a) and (b).

19..... is used to prevent the air from reaching the filament.

- a. Base of bulb b. Glass bulb c. Tungsten

20.When a lamp is connecting in parallel with several other lamps, the light intensity of the lamps

- a. decrease. b. increase. c. remains as it is.

21.When we increase the number of the electric lamps in the series connection, their light intensity

- a. increases. b. decreases. c. remains the same.

22..... occurs when placing flammable materials near to electric machines that generate heat.

- a. Electric shock b. Electric burn c. Electric fire

23. In the fluorescent lamp, there are

- a. one filament. b. two filaments. c. three filaments.

24. The filament of the light bulb is made of

- a. iron. b. copper. c. tungsten.

25. Electric wires must be covered with

- a. aluminum. b. copper. c. plastic.

26. The glass tube of the fluorescent lamp contains gas.

- a. argon b. neon c. oxygen

27. All the following are good conductors of electricity except

- a. aluminum. b. copper. c. rubber.

28. Tungsten is preferred to use in electric lamps because of

- a. its low melting point.
b. its high melting point.
c. its bad conductivity.

29. When an electric lamp which connected in series with other burns

- a. the light intensity decreases.
b. the light intensity increases.
c. all lamps turn off.

30. The electric lamp converts the electric energy to the

- a. kinetic energy. b. light energy. c. sound energy.

31. The electric shock may cause

- a. electric fire. b. electric overload.
c. electric burn. d. no correct answer.

32. The inventor of the electric lamp is

- a. Daniel Rutherford. b. Edison. c. Newton.

33. From the electric insulator substances is

- a. rubber. b. iron bar. c. aluminum bar.

34. Operating more than one machine from one socket causes an

- a. electric fire. b. electric burn. c. electric shock.

35. Which of the following gases is found in the fluorescent lamp, but not in the light bulb ?

- a. Neon. b. Mercury vapour. c. Argon.

36. The electric lamps are connected in the house in

- a. series. b. parallel. c. variable. d. (a) and (b).

37. is used to prevent the air from reaching the filament.

- a. Base of bulb b. Glass bulb c. Tungsten

38. are from the artificial sources that are used before inventing the electric lamps.

- a. Candles b. Oil lamps c. Fluorescent lamps d. (a) and (b)

39. Materials that don't allow the flow of electricity through them are called

- a. electric conductors. b. electric burns.
c. electric insulators. d. electric fires.

40. The electric lamps represent a constant source of light that is

- a. clear. b. bright.
c. free from smoke and odor. d. (a), (b) and (c).

41. All the following are from the components of the light bulb except

- a. the filament. b. the glass bulb.
c. two points of connection. d. the base of the light bulb.

42. Materials that allow the flow of electricity through them are

- a. electric conductors. b. electric insulators.
c. electric shocks. d. electric fires.

43. allow the electric current to transfer from the lamp base to the filament.

- a. The tungsten filament b. The argon gas
c. Copper and lead wires in the light lamp d. The base of the light bulb

44.All the following are from the components of the fluorescent lamp except

- a. tungsten filaments.
- b. points of connection.
- c. two thick copper wires.
- d. glass tube.

45.Water cannot be used to put out electric fires, because

- a. it is a good conductor of electricity.
- b. it is a bad conductor of electricity.
- c. it may evaporate. d. it is not cold.

46..... occurs due to passing the electric current through the human body.

- a. Electric shock
- b. Electric fire
- c. Electric burn
- d. Electric overload

47.The inner surface of the tube of the fluorescent lamp is covered with

- a. mercury.
- b. a phosphoric material.
- c. copper.
- d. tungsten.

48.If we have three light bulbs and we need to get high light intensity, so we must connect them

- a. in series.
- b. in parallel.
- c. (a) and (b).
- d. without copper wires.

49.When we unscrew a bulb from those that are connected in series,

- a. the unscrewed lamp only will be turned off.
- b. all lamps still lighting.
- c. no lamp will be turned off.
- d. all lamps will be turned off.

50.To avoid the occurrence of electric shock, you should not

- a. touch the naked wires.
- b. touch electric machines with wet hand.
- c. put metallic objects in the electric socket.
- d. (a), (b) and (c).

51.The electric wires are made of

- a. glass.
- b. plastic.
- c. rubber.
- d. copper.

52.Electric wires must be covered with

- a. copper.
- b. plastic.
- c. iron.
- d. lead.

Model answer

1. B	11.C	21.B	31.C	41.C	51.D
2. C	12.C	22.C	32.B	42.A	52.B
3. B	13.A	23.B	33.A	43.C	
4. B	14.B	24.C	34.A	44.C	
5. A	15.C	25.C	35.B	45.A	
6. A	16.B	26.A	36.B	46.A	
7. B	17.C	27.C	37.B	47.B	
8. A	18.B	28.B	38.D	48.B	
9. A	19.B	29.C	39.C	49.D	
10.B	20.C	30.B	40.D	50.D	

Choose the correct answer:

1. **The electric lamps represent a constant source of light that is.....**
a. clear. b. bright.
c. free from smoke and odor. d. (a) , (b) and (c).
2. **Electric burns cause damage to.....**
a. Furniture
b. Body tissue
c. Clothes
d. No correct answer
3. **There are two points of connection at each tip of the fluorescent lamp**
a. to react with tungsten filament.
b. to connect the lamp to electricity
c. to prevent air from reaching the filament.
d. (a), (b) and (c)
4. **Lamps in our homes and businesses are connected in..... with the main source of electricity.**
a. series b. parallel and series
c. parallel d. no correct answer
5. **All the following gases are used in the electric lamps except**
a. argon. b. atmospheric air.
c. mercury vapour. d. (a) and (c).
6. **The electric lamp converts the electric energy into..... energy.**
a. kinetic. b. light c. sound d. magnetic
7. **The filament of the light bulb is made of tungsten because it has.....**
a. low density. b. low melting point,
c. high melting point. d. no conductivity.

8. All of the following materials allow the flow of the electric current except.....

- a. Iron
- b. Rubber
- b. Aluminum
- d. Copper

9. All the following are from the components of the light bulb except.....

- a. the filament.
- b. the glass bulb.
- c. two points of connection.
- d. the base of the light bulb.

10. The filament of the light bulb is made of.....

- a. tungsten.
- b. copper.
- c. iron.
- d. aluminum.

11. When an electric lamp which is connected in series with the other lamps burns out,

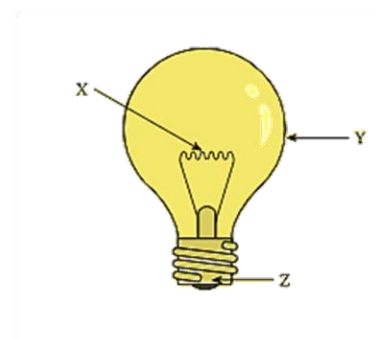
- a. light intensity decreases .
- b. light intensity increases.
- c. all lamps turn off.
- d. no correct answer.

12. The light bulbs are connected in..... in houses.

- a. parallel
- b. series
- c. parallel and series

13. Look at this fig. of a light bulb What is X?

- a. Base
- b. Filament
- c. Glass bulb
- d. No correct answer



14. In the decorative lights, if one or more lamps burn out the other lamps do not turn off, because.....

- a. lamps are used in religious celebrations.
- b. lamps are connected in parallel.
- c. lamps are connected in series.
- d. (a) , (b) and (c).

15. All the following are electric insulators except.....

- a. Glass
- b. Rubber
- c. Wood
- d. copper

16. Dangers of electricity include

- a. electric fires b. electric shock c. electric burn d. (a) , (b) and (c).

17. Electric wires must be covered with

- a. copper. b. plastic. c. iron. d. lead.

18. Increasing the temperature of the electric machines causes

- a. electric fires b. electric shock c. electric burn d. (a), (b) and (c).

19. Which of the following is (are) from the reasons of electric burn?.....

- a. Your body touches an electric machine that generates heat.
- b. Your body touches an insulated wire.
- c. Your body touches spark that results from an electric current.
- d. (a) and (c).

20. Water cannot be used to put out electric fires, because

- a. it is a good conductor of electricity.
- b. it is a bad conductor of electricity.
- c. it may evaporate.
- d. it is not cold.

21. When we connect more than one bulb in parallel to an electric source the light intensity of the bulbs

- a. decreases. b. increases. c. don't change. d. (a), (b) and (c).

22. When the electric lamp connected in series with others in the electric circuit, the light intensity

- a. decreases. b, increases. c. doesn't change
d. decreases sometimes and increases another times.

23. In houses,

- a. lamps and all other electric machines are connected in parallel.
b. lamps are connected in parallel, other machines are connected series.
c. lamps are connected in series , all other machines are connected in parallel,
d.lamps and all other machines are connected in series.

24. The glass tube of the fluorescent lamp contains.....

- a. neon gas.
b. argon gas
c. argon gas and a little of mercury vapour.
d. hydrogen gas.

25. occurs due to passing the electric current through the human body.

- a. Electric shock b. Electric fire c. Electric burn d. Electric overload

26. The electric wires are made of

- a. a glass. b. plastic. c. rubber. d. copper.

27. All the following are from the direct injuries of electricity except

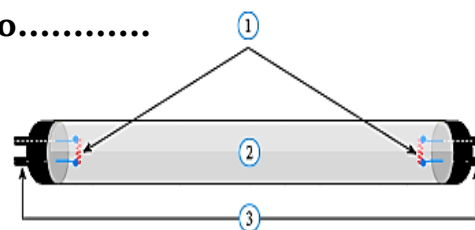
- a. fires resulting from electricity. b. falling from the top of a ladder.
c. the electric shock. d. electric burns.

28. To avoid the occurrence of electric shock, you shouldn't.....

- a. touch the naked wires.
b. touch electric machines with wet hand.
c. put metallic objects in the electric socket.
d. (a), (b) and (c).

29. Number one from the opposite fig. refers to.....

- a. Points of connection
- b. Tungsten filaments
- c. Glass tube
- d. No correct answer



30. When an electric lamp which is connected in series with the other lamps burns out,.....

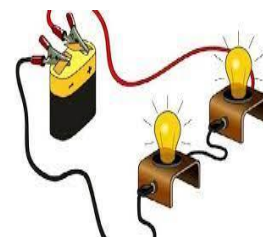
- a. the light intensity decreases.
- b. the light intensity increases.
- c. all lamps turn off.
- d. no correct answer.

31. The inner surface of the tube of fluorescent lamp is covered With.....

- a. phosphoric material.
- b. mercury.
- c. copper.
- d. tungsten

32. In the opposite fig., the type of connection is.....

- a. parallel
- b. series
- c. parallel and series



33. Electric burns cause damage to.....

- a. Furniture
- b. Body tissue
- c. Clothes
- d. No correct answer

34. The outside of the cable is made of plastic because plastic is an electric.

- a. conductor.
- b. insulator.
- d. component.
- c. No correct answer.

35. What did Thomas Edison invent?

- a. The fluorescent lamp
- b. Electricity

c. The light bulb

d. All of the previous answers

36. What is the filament in a light bulb usually made of?

a. Tungsten

b. Copper

c. Iron

d. Glass

37. The glass tube of the fluorescent lamp contains

a. neon gas.

b. argon gas and a little amount of mercury..

c. b. argon gas.

d. No correct answer

38. Electric lamps have many uses. choose the way in which both fluorescent lamps and light bulbs are commonly used.

a. Commercial advertisements

c. Car lamps

b. Lighting houses

d. Torches

39. The harms resulting from the electric shock depend on.....

a. the time taken by the current to pass through the human body.

b. the strength of the electric current passing through the human body.

c. the heavy clothes that covered the human body.

d. (a) and (b).

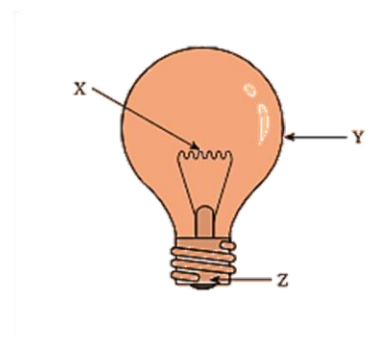
40. Look at this fig. of a light bulb What is (Y)?

a. Base

b. Filament

c. Glass bulb

d. No correct answer



Model answer

1. d	2. b	3. b	4. c	5. b
6. b	7. c	8. b	9. c	10. a
11. c	12. a	13. b	14. b	15. d
16. d	17. b	18. a	19. d	20. a
21. c	22. a	23. a	24. c	25. a
26. d	27. b	28. d	29. b	30. c
31. a	32. b	33. b	34. b	35. c
36. a	37. b	38. b	39. d	40. c



قم بفتح كاميرا الموبايل أمام
الكود تصل لقناتنا فوراً على
اليوتيوب



قم بفتح كاميرا الموبايل أمام
الكود تصل لجروب الفيس

بعض الهواتف لا تدعم تلك الخاصية

April Revision - Grade 6

Choose the correct answer:

1.are from the artificial sources that are used before inventing the electric lamps.

- a. Candles b. Oil lamps c. Fluorescent lamps d. (a) and (b)

2.The electric lamps represent a constant source of light that is.....

- a. clear. b. bright. c. free from smoke and odor. d. (a) , (b) and (c).

3.The electric lamp converts the electric energy into.....energy.

- a. kinetic b. light c. sound d. magnetic

4.All the following are from the components of the light bulb except.....

- a. the filament. b. the glass bulb.
c. two points of connection. d. the base of the light bulb.

5.The filament of the light bulb is made of

- a. tungsten. b. copper. c. iron. d. aluminium.

6. The filament of the light bulb is made of tungsten because it has.....

- a. low density. b. low melting point.
c. high melting point. d. no conductivity.

7.....allow the electric current to transfer from the lamp base to the filament.

- a. The tungsten filament b. The argon gas
c. Copper and lead wires in the light lamp d. The base of the light bulb

8.All the following are from the components of the fluorescent lamp except.....

- a. tungsten filaments. b. points of connection.
c. two thick copper wires. d. glass tube.

9.Which of the following gases is found in the fluorescent lamp but not in the light bulb...

- a. Neon. b. Argon. c. Mercury vapour. d. Water vapour.

10. The glass tube of the fluorescent lamp contains

- a. neon gas. b. argon gas.
c. argon gas and a little of mercury vapour. d. hydrogen gas.

11. The inner surface of the tube of the fluorescent lamp is covered with.....

- a. mercury. b. a phosphoric material. c. copper. d. tungsten.

12. There are two points of connection at each tip of the fluorescent lamp.....

- a. to react with tungsten filament. b. to connect the lamp to electricity.
c. to prevent air from reaching the filament. d. (a) , (b) and (c).

13. When the electric lamp connected in parallel with others in the electric circuit, the light intensity.....

- a. decreases. b. increases. c. doesn't change. d. no correct answer.

14. All the following gases are used in the electric lamps except.....
a. argon. b. atmospheric air. c. mercury vapour. d. (a) and (c).

15. We need a light bulb, battery and connecting wires connected together in a closed continuous path to.....
a. obtain a continuous electric circuit. b. make a simple electric circuit.
c. make the bulb lights up. d. (a) , (b) and (c).

16. When we connect more than one bulb in series to an electric source, the light intensity of the bulbs.....
a. decreases. b. increases. c. does not change. d. no correct answer.

17. When we connect more than one bulb in parallel to an electric source, the light intensity of the bulbs.....
a. decreases. b. increases. c. does not change. d. (a) , (b) and (c).

18. If we have three light bulbs and we need to get high light intensity, so we must connect them.....
a. in series. b. in parallel. c. (a) and (b). d. without copper wires.

19. When we unscrew a bulb from those that are connected in series,.....
a. the unscrewed lamp only will be turned off. b. all lamps still lighting.
c. no lamp will be turned off. d. all lamps will be turned off.

20. When an electric lamp which is connected in series with the other lamps burns out,...
a. the light intensity decreases. b. the light intensity increases.
c. all lamps turn off. d. no correct answer.

21. In houses,.....
a. lamps and all other electric machines are connected in parallel.
b. lamps are connected in parallel and other machines are connected in series.
c. lamps are connected in series and all other machines are connected in parallel.
d. lamps and all other machines are connected in series.

22. The light bulbs are connected in.....in the house.
a. parallel b. series
c. parallel and series d. series in some places and in parallel in the other places.

23. In the decorative lights, if one or more lamps burn out the other lamps do not turn off, because.....
a. lamps are used in religious celebrations. b. lamps are connected in parallel.
c. lamps are connected in series. d. (a) , (b) and (c).

24 .In our daily life, electricity can be used in
a. cooking and preserving food. b. lighting houses and factories.
c. operating some machines. d. (a) , (b) and (c).

25.....is a good conductor of electricity.
a. Wood b. Iron c. Plastic d. Glass

26. All the following materials allow the flow of the electric current except.....

- a. iron. b. copper. c. rubber. d. aluminium.

27. All the following are electric insulators except.....

- a. glass. b. rubber. c. wood. d. copper.

28.....is a bad conductor of electricity.

- a. Aluminium b. Copper c. Iron d. Plastic

29.Materials that don't allow the flow of electricity through them are called.....

- a. electric conductors. b. electric insulators. c. electric burns. d. electric fires.

30. Materials that allow the flow of electricity through them are.....

- a. electric conductors. b. electric insulators. c. electric shocks. d. electric fires.

31. Dangers of electricity include.....

- a. electric fires. b. electric shock. c. electric burn. d. (a) , (b) and (c).

32. All the following are from the direct injuries except.....

- a. fires resulting from electricity. b. falling from the top of a ladder.
c. the electric shock. d. electric burns.

33. Increasing the temperature of the electric machines causes.....

- a. electric shock. b. electric burns. c. electric fires. d. (a) , (b) and (c).

34.Plugging many appliances (machines) to one socket may cause.....

- a. electric overload. b. heating up of wires. c. fires. d. (a) , (b) and (c).

35. Water cannot be used to put out electric fires, because.....

- a. it is a good conductor of electricity. b. it is a bad conductor of electricity.
c. it may evaporate. d. it is not cold.

36.....occurs due to passing the electric current through the human body.

- a. Electric shock b. Electric fire c. Electric burn d. Electric overload

37. The harms resulting from the electric shock depend on.....

- a. the time taken by the current to pass through the human body.
b. the strength of the electric current passing through the human body.
c. the heavy clothes that covered the human body.
d. (a) and (b).

38. The electric shock may cause.....

- a. electric fires. b. electric overload. c. electric burns. d. electric current.

39. Which of the following is (are) from the reasons of the electric burns ?

- a. Your body touches an electric machine that generates heat.
b. Your body touches an insulated wire.
c. Your body touches spark that results from an electric current.
d. (a) and (c).

40. To avoid the occurrence of electric shock, you should not

- a. touch the naked wires.
- b. touch electric machines with wet hand.
- c. put metallic objects in the electric socket.
- d. (a) , (b) and (c).

41. Which of the following is from the precautions in dealing with.....electricity ?

- a. Place several connections in the same socket.
- b. Play with the electric connections.
- c. Don't clean any electric machine, while being connected to the electricity.
- d. Place the flammable materials as curtains close to the machines that generate heat.

42. The electric wires are made of.....

- a. glass.
- b. plastic.
- c. rubber.
- d. copper.

43. Electric wires must be covered with.....

- a. copper.
- b. plastic.
- c. iron.
- d. lead.

44. Among the precautions when dealing with electricity is.....

- a. a. not to play with the electric connections
- b. to leave some wires uncovered
- c. to leave the electrical devices on for a long time
- d. all the previous

45. The main idea of the electric lamp depends on.....

- a. the heat and glow of the filament.
- b. the heat and brightness of argon.
- c. the passage of the electric current in sodium vapor.
- d. the passage of the electric current in mercury vapor.

46. In series connection, when one of the lamps is broken, what will happen to the other lamps?

- a. They will not get affected.
- b. They will get broken.
- c. They will turn off.
- d. No correct answer.

47. The glass tube of the fluorescent lamp contains

- a. neon gas
- b. argon gas and a little amount of mercury vapor
- c. argon gas
- d. No correct answer

48. The lamps at home are connected.....

- a. in series
- b. in parallel
- c. both a and b
- d. perpendicularly

49. The filament of light bulbs is made of.....

- a. iron
- b. copper
- c. sodium
- d. tungsten

50. Electric lamps have many uses. choose the way in which both fluorescent lamps and light bulbs are commonly used.

- a. Commercial advertisements
- b. Lighting houses
- c. Car lamps
- d. Torches

51. What is the filament in a light bulb usually made of?

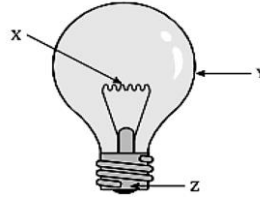
- a. Tungsten
- b. Copper
- c. Iron
- d. Glass

52. What did Thomas Edison invent?

- a. The fluorescent lamp
- b. The light bulb
- c. Electricity
- d. All of the previous answers

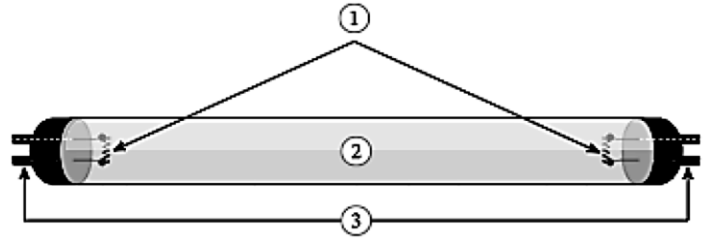
53. Look at this photo of a light bulb. What is X?

- a. Base
- b. Filament
- c. Glass bulb
- d. No correct answer



54. This is a picture of a fluorescent lamp. What label should be written at 1?

- a. Tungsten filaments
- b. Glass tube
- c. Points of connection
- d. No correct answer



55. One of the following gases is found in the fluorescent lamp but not in the electric bulb.....

- a. Neon
- b. Argon
- c. Mercury vapor
- d. No correct answer

56. All the following are electric insulators except.....

- a. Glass
- b. Wood
- c. Rubber
- d. Copper

57. is a good conductor of electricity.

- a. Wood
- b. Iron
- c. Plastic
- d. Rubber

58. All of the following materials allow the flow of the electric current except.....

- a. Iron
- b. Rubber
- c. Aluminum
- d. Copper

59. An electric shock may cause.....

- a. Electric fires
- b. Electric burns
- c. Electric overload
- d. Electric current

60. Fluorescent lamps contains argon gas and a little amount of.....

- a. Hydrogen gas
- b. Mercury vapor
- c. Atmospheric air
- d. All the answers are correct

61. The florescent lamp is lined with.....substance.

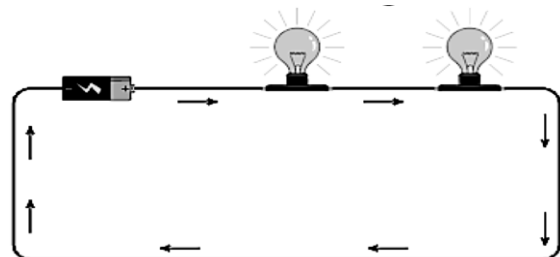
- a. Golden
- b. Phosphoric
- c. Oily
- d. No correct answer

62. What is found inside a fluorescent lamp but not in an electric bulb?

- a. A glass bulb
- b. Argon gas
- c. Tungsten filaments
- d. Phosphoric material

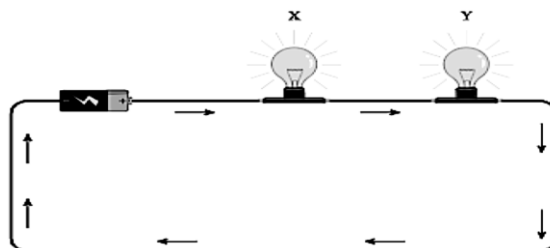
63. This circuit has a single route for electric current to flow through the lamps. This is a circuit.

- a. series
- b. parallel
- c. (a) and (b)
- d. No correct answer



64. If we want to make lamp X shine more brightly. What can we do?

- a. Add another lamp in series
- b. Remove lamp Y
- c. Add another lamp in parallel
- d. No correct answer



65. Lamps in our homes and businesses are connected in.....with the main source of electricity.

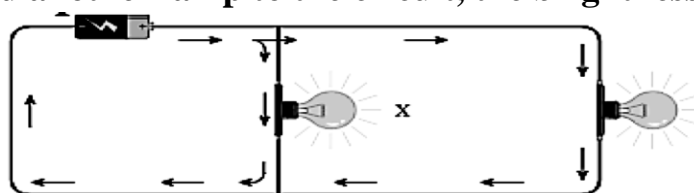
- a. series
- b. parallel
- c. parallel and series
- d. no correct answer

66. You have three lamps. What type of circuit should you connect them in to get the highest light intensity from each lamp?

- a. Series
- b. Series or parallel
- c. Parallel
- d. No correct answer

67. You builds a parallel circuit. When you add another lamp to the circuit, the brightness of lamp X

- a. stays the same
- b. increases
- c. decreases
- d. no correct answer



68. Connecting in..... is the best way to connect electric lamps and electric devices.

- a. Series
- b. Parallel
- c. Series and parallel
- d. No correct answer

69. When disconnecting an electric lamp from a series connection, the rest of the lamps...

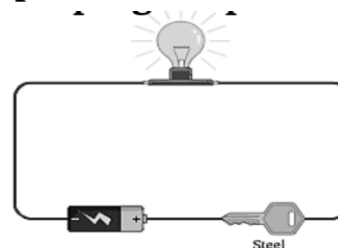
- a. Stay lightning
- b. Turn off
- c. Make spark
- d. All the previous answers

70. Electric fires are not put out by water because; water is a/an.....

- a. Electric insulator
- b. Electric conductor
- c. Heat conductor
- d. No correct answer

71. You put a steel key in an electric circuit. The lamp lights up because the steel key lets electricity flow through the circuit. Choose the object that could replace the steel key and make the lamp light up.

- a. A wooden stick
- b. A plastic spoon
- c. An iron nail
- d. All the answers are correct



72. A material that does not allow electricity to flow through it is called an electrical.....

- a. conductor
- b. barrier
- c. insulator
- d. no correct answer

73. Electric burns cause damage to.....

- a. Furniture
- b. Body tissue
- c. Clothes
- d. No correct answer

74. When increasing the number of lamps in a series connection, the light intensity.....

- a. Increases
- b. Decrease
- c. unchanged
- d. No correct answer

75. The filament of the light bulb is made of tungsten because it has.....

- a. Low density
- b. High melting point
- c. Low melting point
- d. (A) and (c).

- 76. The outside of the cable is made of plastic because plastic is an electric.....**
a. conductor b. component c. insulator d. no correct answer
- 77. The electric lamps represent a constant source of light that is**
a. Clear b. Bright c. Free from smoke and odor d. All the previous answers
- 78. The filament of the light bulb is made of**
a. Tungsten. b. Copper. c. Iron. d. Aluminum.
- 79. Which of the following gases is found in the fluorescent lamp but not in the light bulb?**
a. Neon. b. Argon. c. Mercury vapour. d. Water vapour.
- 80. The inner surface of the tube of the fluorescent lamp is covered with.....**
a. mercury. b. a phosphoric material. c. copper. d. tungsten.
- 81. We need a light bulb, battery and connecting wires connected together in a closed continuous path to**
a. obtain a continuous electric circuit. b. make a simple electric circuit.
c. make the bulb lights up. d. (a) , (b) and (c).
- 82. When we connect more than one bulb in series to an electric source, the light intensity of the bulbs**
a. decreases. b. increases. c. does not change. d. (a) , (b) and (c).
- 83. When we connect more than one bulb in parallel to an electric source, the light intensity of the bulbs**
a. decreases. b. increases. c. does not change. d. (a) , (b) and (c).
- 84. If we have three light bulbs and we need to get high light intensity, so we must connect them**
a. in series. b. in parallel. c. (a) and (b). d. without copper wires.
- 85. When we unscrew a bulb from those that are connected in series,**
a. the unscrewed lamp only will be turned off. b. all lamps still lighting.
c. no lamp will be turned off. d. all lamps will be turned off.
- 86. In our daily life, electricity can be used in**
a. cooking and preserving food. b. lighting houses and factories.
c. operating some machines. d. (a) , (b) and (c).
- 87. is a good conductor of electricity.**
a. Wood b. Iron c. Plastic d. Glass
- 88. All the following materials allow the flow of the electric current except**
a. iron. b. copper. c. rubber. d. aluminium.
- 89. Materials that don't allow the flow of electricity through them are called**
a. electric conductors. b. electric burns. c. electric insulators. d. electric fires.
- 90. Materials that allow the flow of electricity through them are**
a. electric conductors. b. electric insulators. c. electric shocks. d. electric fires.

91. Dangers of electricity include

- a. electric fires b. electric shock c. electric burn d. (a) , (b) and (c).

92. Electric wires must be covered with

- a. copper. b. plastic. c. iron. d. lead.

93. Increasing the temperature of the electric machines causes

- a. electric fires b. electric shock c. electric burn d. (a), (b) and (c).

94. Which of the following is (are) from the reasons of electric burn?.....

- a. Your body touches an electric machine that generates heat.
b. Your body touches an insulated wire.
c. Your body touches spark that results from an electric current.
d. (a) and (c).

95. Water cannot be used to put out electric fires, because

- a. it is a good conductor of electricity. b. it is a bad conductor of electricity.
c. it may evaporate. d. it is not cold.

96. occurs due to passing the electric current through the human body.

- a. Electric shock b. Electric fire c. Electric burn d. Electric overload

97. The electric wires are made of

- a. a glass. b. plastic. c. rubber. d. copper.

98. All the following are from the direct injuries of electricity except

- a. fires resulting from electricity. b. falling from the top of a ladder.
c. the electric shock. d. electric burns.

99. To avoid the occurrence of electric shock, you shouldn't.....

- a. touch the naked wires. b. touch electric machines with wet hand.
c. put metallic objects in the electric socket. d. (a), (b) and (c).

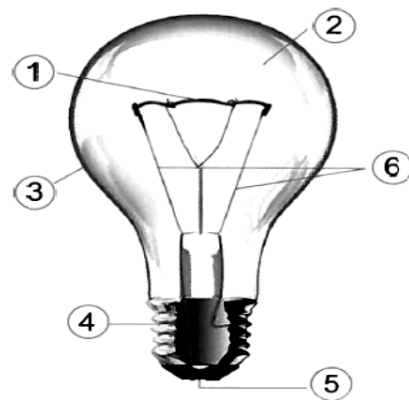
Look at the opposite figure, then answer :

(A) What is the name of this figure ?

.....

(B) Label the following figure : (Giza & Beheira 2017)

- ①
②
③
④
⑤
⑥



(C) Why is the glass bulb of the electric lamp filled with argon gas ?

.....

- 1) is the main source of light.
a. Sun b. moon c. lamp d. electricity
- 2) Electric lamp is preferred than oil lamp as.....
a. it is clear and bright
b. free from smoke
c. free from vapour and odour
d. a ,b ,c
- 3) Filament in light bulb made of.....
a. copper b. iron c. lead d. tungsten
- 4) Copper and lead wire allow.....to pass from.....to.....
a. Water , base , filament
b. Electricity ,filament ,base
c. Water ,base, filament
d. electricity ,base ,filament
- 5) Glass bulbs filled with.....
a. oxygen b. inert gas c. argon gas d. b ,c
- 6)and.....and..... are the main components of electric circuit.
a. lamp, key, battery
b. wire, lamp ,battery
c. lamp, key ,wire
d. battery, lamp, key
- 7) connect the battery to the lamp.
a. key b. wire c. switch d.no correct answer

8) It is a way in which light bulbs connected in branching routs, is.....

- a. In series connection
- b. in parallel connection
- c. in perpendicular connection
- d. a,b

9) In parallel connection, by increasing no. of bulbs, the lighting

- a. Increases
- b. decreases
- c. doesn't change
- d. a ,b

10) Electric circuit is.....and.....path which electric current passes.

- a. Opened , contentious
- b. closed, contentious
- c. opened ,cut
- d. closed ,cut

11)is the source of electric current in electric circuit.

- a. key
- b. wire
- c. switch
- d. battery

12) heats up and emits light in light bulb.

- a. base of bulb
- b. glass bulb
- c. filament
- d. argon gas

13) In series connection, by increasing no. of bulbs, the lighting

- a. Increases
- b. decreases
- c. doesn't change
- d. a ,b

14) electric burn result from.....

- a. a part of your body touch machines generate heat.
- b. a part of your body touch source of electric current directly.
- c. Plugging more than machine in one socket.
- d. a ,b

15)prevents air from entering light bulb.

- a. base of bulb
- b. glass bulb
- c. filament
- d. argon gas

16) Fluorescent lamp contains..... Filament

- a. one b. two c. three d.no

17) When two parts of your body touch naked electric, it is a reason of

- a. electric fires.
- b. electric shock.
- c. electric burn.
- d. a, b and C.

18)results of an increase the temperature of machines.

- a. electric fires.
- b. electric shock.
- c. electric burn.
- d. a, b and C.

19)and..... present inside glass tube in fluorescent lamp.

- a. argon gas, oxygen gas b. argon gas , liquid mercury
- c. argon gas ,mercury vapour d. neon gas, mercury vapour

20) connect the fluorescent lamp to the electric circuit.

- a. base of bulb b. glass bulb
- c. filament d. points of connections

21) Fluorescent lamp is known as neon lamp. It contains.....

- a. neon gas b. argon gas c. oxygen gas d. a ,b

22) When all parts of electric circuit connected, the circuit is.....

- a. opened b. closed c. doesn't conduct electricity d. a ,c

23) It is a way in which light bulbs connected in branching routs, is.....

- a. In series connection b. in parallel connection

- c. in perpendicular connection d. a,b
- 24) Spiral base contains..... piece of.....
- a. one, lead b. two, lead c. one ,plastic d. two ,plastic
- 25) carry lamp in upright position.
- a. base of bulb b. glass bulb c. filament d. argon gas
- 26) It is a way in which light bulbs connected one after one is.....
- a. In series connection b. in parallel connection
- c. in perpendicular connection d. a,b
- 27) Electric lamp changes..... energy into..... energy.
- a. electric ,heat b. electric, light
- c. light ,electric d. light ,heat
- 28) The inventer of light bulb is.....
- a. Edison b. Tomas alpha Edison c. Archimedes d. a, b
- 29) The most popular source of artificial light.
- a. oil lamp b. fluorescent lamp c. light bulb d. sun
- 30)andare electric conductors
- a. iron, glass b. water, copper c. wood, lead d. air, clothes
- 31) The electric cables are made ofand are covered with.....
- a. lead, iron b. copper, iron c. copper, plastic d. plastic ,copper
- 32) The materials that allow flow of electricity through them, are
- a. electric insulator b. electric conductor c. copper d. a ,b
- 33) All the following are uses of electricity except.....
- a. electric shock.
- b. cook food.

c. light factories.

d. operate some machines.

34) is found in fluorescent lamp but not in light bulb.

a. phosphoric material

b. mercury vapour

c. argon gas

d. a ,b

35) When we unscrew a bulb from those that are connected in series.....

a. the unscrewed lamp only will be turned off.

b. all lamps still lighting.

c. all lamps will be turned off.

d. no lamp will be turned off.

36) In houses.....

a. lamps and all other electric machines are connected in parallel.

b. lamps are connected in parallel and other machines are connected in series.

c. lamps are connected in series and all other machines are connected in parallel.

d. lamps and all other machines are connected in series.

37) Dangers of electricity include

a. electric fires.

b. electric shock.

c. electric burn.

d. a, b and C.

38) All the following are from the direct injuries except.....

a. fires resulting from electricity.

b. falling from the top of a ladder

c. the electric shock.

d. electric burn.

39) Increasing the temperature of the electric machines causes

a. electric shock.

b. electric fires,

c. electric burns.

d. a, b and c.

40) Plugging many appliances to one socket may cause.....

a. heating up of wires.

b. electric overload.

c. fires

d. a ,b ,c

41) Water cannot be used to put out electric fires, because.....

a.it is a good conductor of electricity

b. it is a bad conductor of electricity

C.it may evaporate.

d. it is not cold.

42) occurs due to passing the electric current through the human body

a. Electric shock

b. Electric burn

c.Electric fire

d. Electric overload

43) The harms resulting from the electric shock depend on.....

a. the time taken by the current to pass through the human body.

- b. the strength of the electric current passing through the human body.
- c. the heavy clothes that covered the human body.
- d. a ,b

44) The electric shock may cause.....

- a, electric fires.
- b. electric burns.
- c. electric overload.
- d. electric current.

45) Which of the following is from the reasons of the electric burn?

- a. Your body touches an electric machine that generates heat
- b. Your body touches an insulated wire.
- c.c. Your body touches spark that results from an electric current
- d. a and c.

46) To avoid the occurrence of electric shock, you should not

- a. touch the naked wires.
- b. touch electric machines with wet hand.
- c. metallic objects in the electric socket.
- e. A, b and c.

47) Which of the following is from the precautions in dealing with electricity ?

- a. Place several connections in the same socket.
- b. Play with the electric connections.
- c. Don't play with any electric machine.
- d. Place the flammable materials near the machines that generate heat.

Answer

- 1) Sun
- 2) A, b, c
- 3) Tungsten
- 4) Electricity, base, Filament
- 5) B, c
- 6) Wire, lamp battery
- 7) Wire
- 8) In parallel
- 9) Doesn't change
- 10) Closed, contentious
- 11) Battery
- 12) Filament
- 13) Decreases
- 14) A, b
- 15) Glass bulb
- 16) Two
- 17) Electric shock
- 18) Electric fire
- 19) Argon gas, mercury vapour
- 20) Points of connection
- 21) Argon gas
- 22) Closed
- 23) In parallel
- 24) One, lead
- 25) Base of bulb
- 26) In series
- 27) Electric, light
- 28) A, b
- 29) Light bulb
- 30) Water, copper
- 31) Copper, plastic
- 32) Electric conductor
- 33) Electric shock
- 34) A, b
- 35) All lamps will turn off
- 36) Lamps and all machines are connected in parallel
- 37) A, b, c
- 38) Falling from the top of ladder
- 39) Electric fire
- 40) A, b, c
- 41) Its good conductor of electricity
- 42) Electric shock
- 43) A, b
- 44) Electric burn
- 45) A, c
- 46) A, b, c
- 47) Don't play with electric machines

3 Electric Energy the electric lamps

* Choose The correct answer :-

☉ 1- the inventor of the electric lamp is.....

(Daniel Rutherford- **Edison**- Newtown)

*2-are from the artificial sources that are used before inventing the electric lamps.(candles- oil lamps- florescent lamps- **a,b**) .

☉ 3- the electric lamp converts the electric energy to the....

(sound- **light**- kinetic- potential)

*4- the electric lamps represent a constant source of light that is.....

(clear- bright - free from smoke and odor - **a,b,c**).

*5- the electric lamp converts the electric energy intoenergy .

(kinetic - **light** - sound - magnetic) .

☉ 6-is used to prevent the air from reaching the filament (base of bulb-

glass bulb- tungsten)

*7- all the following are from the components of the light bulb

except.....(the filament- the glass bulb- **two points of connection** - the base of the light bulb)

☉ 8- glass bulb in electric lamp contains.....gas

(hydrogen- oxygen-**argon**- nitrogen)

☉ 9- the fluorescent lamp contains the inert...gas

(hydrogen- nitrogen- **argon**- helium)

☉ ☉ ☉ 10- the filament of the light bulb is made of.....

(**tungsten**- copper- iron- aluminum)

تابع فيديوهات حل الاسئلة الاختياري علي قناه اليوتيوب يلا نذاكر ساينس مع ماما

*11- the filament of the light bulb is made tungsten because it has.....

(low density- low melting point- high melting point-no conductivity)

*12- allow the electric current to transfer from the lamp base to the filament (the tungsten filament- the argon gas - copper and lead wires in light lamp- the base of the light bulb)

*13- all the following are from the components of the fluorescent lamp except.....(tungsten filaments- points of connection- two thick copper wires - glass tube)

⊙ ⊙ 14- which of the following gases is found in the fluorescent lamp but not found in the light bulb?.(neon - argon - mercury vapour - water vapour)

*15- the glass tube of the fluorescent lamp contains.....(neon gas - argon gas - argon gas and a little of mercury vapour - hydrogen gas)

*16- the inner surface of the tube of the fluorescent lamp is covered with.....
(mercury- a phosphoric material- copper- tungsten).

17- tungsten is preferred to be used in the light bulb because it has.....
(bad conductivity- high melting point- low density- low melting point)

*18- there are two points of connection at each tip of the fluorescent lamp.....
(to react with tungsten filament- to connect the lamp to electricity- to prevent air from reaching the filament- a,b,c).

⊙ ⊙ 19- when the electric lamp connected in parallel with others in the electric circuit the light intensity....(decreases- Increases - doesn't change- decreases sometimes and Increases another times).

20- when connecting the light bulbs in parallel with many light bulbs the light intensity.....(decreases- increases- **remains constant**)

=(remains as it is)

*21- all the following gases are used in the electric lamps except.....

(argon - **atmospheric air** - mercury vapor - a,c)

22- the inert gas that exists inside the bulb to(decrease the amount of electricity- decrease the lifetime of filament-increase the amount of electricity- **increase the lifetime of the filament**)

*23- we need a light bulb battery and connecting wires connected together in a closed continuous path to.....(obtain a continuous electric circuit - make a simple electric circuit- make the bulb lights up - **a,b,c**) .

*24- when we connect more than one bulb in service to an electric source the light intensity of the bulb....

(**decreases**- Increases - doesn't change - a,b) .

*25- when we connect more than one bulb in parallel to an electric source the light intensity of the bulbs.....

(decreases - Increases - **doesn't change** - a,b,c)

*26- if we have three light bulbs and we need to get high light intensity so we must connect them.....

(in series - **in parallel** - a,b - without copper wires)

*27- when we unscrew a bulb from those that are connected in series.....(the unscrewed lamp only will be turned off- all

lamps still lighting - no lamp will be turned off- **all lamps will be turned off**)

تابع فيديوهات حل الاسئلة الاختياري علي قناه اليوتيوب يلا نذاكر ساينس مع ماما

*28- when an electric lamp which is series with the other lamps burns out..... (the light intensity decreases - the light intensity Increases- **all lamps turn of** - no correct answer) .

⊙29- when an electric lamp which connected in series with other lamps burns.....(the light intensity increases- the light intensity decreases- **all lamps turn off** - no correct answer)

*30- in houses.....(**lamps and other electric machines are connected in parallel** -lamps are connected in parallel and other machines are connected in series- lamps are connected in series and all other machines are connected is parallel - lamps and all other machines are connected in series)

*31- the light bulbs are connected in..... in the house (**parallel**- series - parallel and series- series in some places and in the other places)

*32- in the decorative lights if one more lamps burn out the other lamps do not turn off because.....(lamps are used in religious celebrations- **lamps are connected in parallel**- lamps are connected in series - a,b,c) .

33-the.....is the continuous path through which the electric current passes (open electric circuit- battery-**closed electric circuit**- lamp)

34-works as a source of electric current in the electric circuit (lamp- electric wire- **battery**- key)

35- in series connection the light intensity of the light bulbs..... (decreases by increasing the number of the light bulbs-increases by decreasing the number of the light bulbs-increases by increasing the number of the light bulbs- **a and b**)

36- by unscrewing one bulb from bulbs connected in parallel.....

(the electric current does not flow – the electric current flow-light intensity of the other bulbs is still constant- **b,c**)

4 Electric energy Dangers of electricity

Q Choose:-

37-is considered from electric conductors (**iron**- plastic-wood- eraser)

38- all the following are bad conductors of electricity except.....

(**copper**- plastic- rubber)

39- from the electric insulator substances is.....

(**rubber**- iron bar- aluminum bar)

40-Which of the following is from the indirect injuries?

(Fires resulting from electricity – **Falling from the top of a ladder** -The electric shock -Burns resulting from the electric current)

41- All the following materials are electric conductors except.....

(iron- copper - aluminium -**wood**)

42- Fires caused by electricity are put out by.....(water - **sand** -air- (a) and (b).)

43-Which of the following is (are) from the benefits of electricity ?

(Cooking food –Lighting houses and streets - Operating some machines as televisions and washing machines. **-(a), (b)and (c)**)

44-.....occur as a result of the increase in the temperature of the electric machines (the electric shocks- burns resulting from the electric current-

Fires resulting from electricity- indirect injuries)

45- All the following are from the precautions in dealing with electricity except....don't place flammable materials close to the electric machines that generate heat- place a piece of plastic in the socket - don't insert a nail in the socket – **play with the electric connections**)

46 -The electric burns happen when.....(a part of your body touches a source of electric current directly - a part of your body touches a spark resulting from an electric fire - a part of your body touches a wire that has an electric current and the other part touches the ground- **(a) and (b)**)

47- All the following reasons are from the reasons of the electric fires except(placing an electric machine that generates heat close to curtains- plugging more than one machine in the same socket- **passing the electric current through the human body**- not disconnecting the electric current from the electric machine that generates heat)

48-.....results when your body is a part of an electric circuit
(Electric fire - electric conditioner-Electric burn - **Electric shock**)

49- Burns that result from electricity and cause the damage of the body tissues are(electric fires- electric shock- **electric burns**)

50.If we have four light bulbs and we need to get high light intensity, so we must connect them(in series- **in parallel**- a,b - no correct answer)

51. If we connect an eraser with an electric circuit, the....

(**electric circuit will be opened**- electric circuit will be closed- electric current will flow - (b) and (c))

52- Water is not used in putting out fires caused by electricity, because

(it is a bad conductor of electricity- **it is a good conductor of electricity** -it may evaporate- no correct answer)

📖 53- All the following materials allow the flow of the electric current except.....(iron- aluminum -**rubber**- copper)

54- Plugging many appliances to one socket may cause.....(heating up of wires- electric overload- fires- **(a), (b) and (c)**)

☞ 55-Plugging more than one machine to one socket causes.....(electric shock- electric fire electric overload- **electric overload and electric fire**)

☞ 56- The electric shock may cause.....

(electric fire- electric overload - **electric burn** - no correct answer)

☞ 57- connecting more than one electric device in the same socket leads to.....

(electric shock - **electric overload** - electric burn -electric shock & burn.)

☞ 58-increasing the temperature of the electric machines causes(electric shock – electric burn – **electric fire**)

☞ 59-Plugging many machines to one socket may cause.....(electric overload- electric fires -**both (a) and (b)**)

☞ 60- Electric wires must be covered with.....(**plastic**-iron -aluminium)

☞ 61- The electric wires are made of.....(plastic- wood - **copper**)

☞ 62-is an example of materials that are electric conductors.

(Wood - Glass - plastic- **Copper**)

3 Electric Energy the electric lamps

* Choose The correct answer :-

☞ 1- the inventor of the electric lamp is.....

(Daniel Rutherford- Edison- Newtown)

*2-are from the artificial sources that are used before inventing the electric lamps.(candles- oil lamps- florescent lamps- a,b) .

☞ 3- the electric lamp converts the electric energy to the.....

(sound- light- kinetic- potential)

*4- the electric lamps represent a constant source of light that is.....

(clear- bright - free from smoke and odor - a,b,c).

*5- the electric lamp converts the electric energy intoenergy .

(kinetic - light - sound - magnetic) .

☞ 6-is used to prevent the air from reaching the filament (base of bulb- glass bulb- tungsten)

*7- all the following are from the components of the light bulb

except.....(the filament- the glass bulb- two points of connection - the base of the light bulb)

☞ 8- glass bulb in electric lamp contains.....gas

(hydrogen- oxygen-argon- nitrogen)

☞ 9- the fluorescent lamp contains the inert...gas

(hydrogen- nitrogen- argon- helium)

☞ ☞ ☞ 10- the filament of the light bulb is made of.....

(tungsten- copper- iron- aluminum)

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*11- the filament of the light bulb is made tungsten because it has.....

(low density- low melting point- high melting point-no conductivity)

*12- allow the electric current to transfer from the lamp base to the filament (the tungsten filament- the argon gas - copper and lead wires in light lamp- the base of the light bulb)

*13- all the following are from the components of the fluorescent lamp except.....(tungsten filaments- points of connection- two thick copper wires - glass tube)

☹ ☹ 14- which of the following gases is found in the fluorescent lamp but not found in the light bulb?.(neon - argon - mercury vapour - water vapour)

*15- the glass tube of the fluorescent lamp contains.....(neon gas - argon gas - argon gas and a little of mercury vapour - hydrogen gas)

*16- the inner surface of the tube of the fluorescent lamp is covered with.....
(mercury- a phosphoric material- copper- tungsten).

17- tungsten is preferred to be used in the light bulb because it has.....
(bad conductivity- high melting point- low density- low melting point)

*18- there are two points of connection at each tip of the fluorescent lamp.....
(to react with tungsten filament- to connect the lamp to electricity- to prevent air from reaching the filament- a,b,c).

☹ ☹ 19- when the electric lamp connected in parallel with others in the electric circuit the light intensity....(decreases- Increases - doesn't change- decreases sometimes and Increases another times).

☹ ☹ 20- when connecting the light bulbs in parallel with many light bulbs the light intensity.....(decreases- increases- remains constant)

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*21- all the following gases are used in the electric lamps except.....

(argon - atmospheric air - mercury vapor - a,c)

22- the inert gas that exists inside the bulb to(decrease the amount of electricity- decrease the lifetime of filament-increase the amount of electricity-increase the lifetime of the filament)

*23- we need a light bulb battery and connecting wires connected together in a closed continuous path to.....(obtain a continuous electric circuit - make a simple electric circuit- make the bulb lights up - a,b,c) .

*24- when we connect more than one bulb in service to an electric source the light intensity of the bulb....

(decreases- Increases - doesn't change - a,b) .

*25- when we connect more than one bulb in parallel to an electric source the light intensity of the bulbs.....

(decreases - Increases - doesn't change - a,b,c)

*26- if we have three light bulbs and we need to get high light intensity so we must connect them.....

(in series - in parallel - a,b - without copper wires)

*27- when we unscrew a bulb from those that are connected in series.....(the unscrewed lamp only will be turned off- all lamps still lighting - no lamp will be turned off- all lamps will be turned off)

*28- when an electric lamp which is series with the other lamps burns out..... (the light intensity decreases - the light intensity Increases- all lamps turn of - no correct answer) .

⊙29- when an electric lamp which connected in series with other lamps burns.....(the light intensity increases- the light intensity decreases- all lamps turn off - no correct answer)

*30- in houses.....(lamps and other electric machines are connected in parallel - lamps are connected in parallel and other machines are connected in series- lamps are connected in series and all other machines are connected is parallel - lamps and all other machines are connected in series)

*31- the light bulbs are connected in..... in the house (parallel- series - parallel and series- series in some places and in the other places)

*32- in the decorative lights if one more lamps burn out the other lamps do not turn off because.....(lamps are used in religious celebrations- lamps are connected in parallel- lamps are connected in series - a,b,c) .

33-the.....is the continuous path through which the electric current passes (open electric circuit- battery-closed electric circuit- lamp)

34-works as a source of electric current in the electric circuit (lamp- electric wire- battery- key)

35- in series connection the light intensity of the light bulbs..... (decreases by increasing the number of the light bulbs-increases by decreasing the number of the light bulbs-increases by increasing the number of the light bulbs- a and b)

36- by unscrewing one bulb from bulbs connected in parallel.....

(the electric current does not flow – the electric current flow-light intensity of the other bulbs is still constant- b,c)

4 Electric energy Dangers of electricity

37-is considered from electric conductors (iron- plastic-wood- eraser)

38- all the following are bad conductors of electricity except.....

(copper- plastic- rubber)

39- from the electric insulator substances is.....

(rubber- iron bar- aluminum bar)

40-Which of the following is from the indirect injuries?

(Fires resulting from electricity – Falling from the top of a ladder -The electric shock -Burns resulting from the electric current)

41- All the following materials are electric conductors except.....

(iron- copper - aluminium -wood)

42- Fires caused by electricity are put out by.....(water - sand -air- (a) and (b).)

43-Which of the following is (are) from the benefits of electricity ?

(Cooking food –Lighting houses and streets - Operating some machines as televisions and washing machines. -(a), (b)and (c))

44-.....occur as a result of the increase in the temperature of the electric machines (the electric shocks- burns resulting from the electric current- Fires resulting from electricity- indirect injuries)

45- All the following are from the precautions in dealing with electricity

except....don't place flammable materials close to the electric machines that

generate heat- place a piece of plastic in the socket - don't insert a nail in the socket – play with the electric connections)

46 -The electric burns happen when.....(a part of your body touches a source of electric current directly - a part of your body touches a spark resulting from an electric fire - a part of your body touches a wire that has an electric current and the other part touches the ground- (a) and (b))

47- All the following reasons are from the reasons of the electric fires except(placing an electric machine that generates heat close to curtains- plugging more than one machine in the same socket- passing the electric current through the human body- not disconnecting the electric current from the electric machine that generates heat)

48-.....results when your body is a part of an electric circuit
(Electric fire - electric conditioner-Electric burn - Electric shock)

49- Burns that result from electricity and cause the damage of the body tissues are(electric fires- electric shock- electric burns)

50.If we have four light bulbs and we need to get high light intensity, so we must connect them(in series- in parallel- a,b - no correct answer)

51. If we connect an eraser with an electric circuit, the....

(electric circuit will be opened- electric circuit will be closed- electric current will flow - (b) and (c))

52- Water is not used in putting out fires caused by electricity, because

(it is a bad conductor of electricity- it is a good conductor of electricity -it may evaporate- no correct answer)

- 📖 53- All the following materials allow the flow of the electric current except.....(iron- aluminum -rubber- copper)
- 54- Plugging many appliances to one socket may cause.....(heating up of wires- electric overload- fires- (a), (b) and (c))
- ⌚ 55-Plugging more than one machine to one socket causes.....(electric shock- electric fire electric overload- electric overload and electric fire)
- ⌚ 56- The electric shock may cause.....
(electric fire- electric overload - electric burn - no correct answer)
- ⌚ 57- connecting more than one electric device in the same socket leads to.....
(electric shock - electric overload- electric burn -electric shock & burn.)
- ⌚ 58-increasing the temperature of the electric machines causes(electric shock – electric burn – electric fire)
- ⌚ 59-Plugging many machines to one socket may cause.....(electric overload- electric fires -both (a) and (b))
- ⌚ 60- Electric wires must be covered with.....(plastic-iron -aluminium)
- ⌚ 61- The electric wires are made of.....(plastic- wood - copper)
- ⌚ 62-is an example of materials that are electric conductors.(Wood - Glass - plastic- Copper)

Choose the correct answer

1-light bulbs are connected inin houses

(parallel - series - parallel and series)

2-we connect more than one bulb in series with an electric source,the lighting of bulb(decrease - increase - remains constant)

3-we connect more than one bulb in parallel with an electric source,the lighting of bulb(decrease - increase - remains constant)

4-electric lamps convert electric energy intoenergy

(heat - light - sound)

5-filament is made up of(iron - copper - tungsten)

6-electric circuit is..... path of electricity

(Closed - opened - curved)

7.....is a good conductor of electricity

(Iron - copper - water - all previous answers)

8-.....is a bad conductor of electricity

(wood - copper - water)

9-connect lamp with electricity

(base of lamp - filament - mercury vapour)

10-Fluorescent lamp contains.....

(argon - atmospheric air - argon and mercury vapour)

11-Lamps contains all the following except

(Argon - neon - atmospheric air)

-12is a source of electricity

(battery - electric wires - key)

13-Electric wires are made up of

(copper - iron - lead)

14-Filament is made of tungsten because it has

(high melting point - low melting point - high boiling point)

15-All the following are electric insulator except

(wool- wood - copper)

16-Materials that allow the flow of electricity are called

(Insulator- conductor - gases)

17-Electric cables are made of

(copper - iron - lead)

18-.....is an example for electric insulator

(Copper - aluminium - plastic)

19-When a bulb burns in the electric circuit that contains more than one bulb connected in series ,the light bulbs

(decrease light intensity - are turn off - remains constant)

20-Which has of the following gases is found in the fluorescent lamp but not electric bulb....?

(neon - argon - mercury vapour)

21-All the following are electric conductor except...

(aluminium- copper - rubber)

22-Operating more than one machine in the same socket leads.....

(Electric shock - increasing the electric load- all the following)

23-We don't used water to put out electric fires because it is

(good conductor of electricity - bad conductor of electricity of electricity - good conductor of heat)

.-24.....is a danger of electricity that causes damage body tissues

(Electric shock - electric burns - electric fires)

.-25....Is a danger of electricity that result from increase temperature of devices

(Electric shock - electric burns - electric fires)

26-.....is a danger of electricity that result from passage electric current through human body

(Electric shock - electric burns - electric fires)

27-.....had invented electric lamp

(newton - Edison - faraday)

28-The inner surface of tube of fluorescent lamp is covered withmaterial

(phosphoric- gelatinous- lighted)

29-..... is the most popular electric lamp

(Fluorescent- light bulb - fluorescent and light bulb)

30.....is a component of electric circuit that connect lamp with battery

(electric wires - key - battery)

31-.....heat up and glowing light

(filament - argon gas - copper wire)

32-.....controls opening and closing electric circuit

(electric wires - key - battery)

33-When you insert metallic bar in the socket causes...

(Electric shock - electric burns - electric fires)

34-Increasing temperature of devices causes...

(Overload - electric fires - overload and electric fires)

35-All of these are dangers of electricity except...

(Electric shock - electric burns - falling from metallic ladder)

36-.....is (are)from precautions to deal with electricity

A-plugging more than machine in one socket

B- touch un insulated wires

C-turn off device after we used it

37-Electric burns occurs due to....

A-Touch spark that result from electric fires

b-Plugging more than one machine in one socket

c-insert metallic nail in the socket

Good luck

Aprils model exam 1

☐ Choose the correct answer:

1) occurs due to passing the electric current through human body.

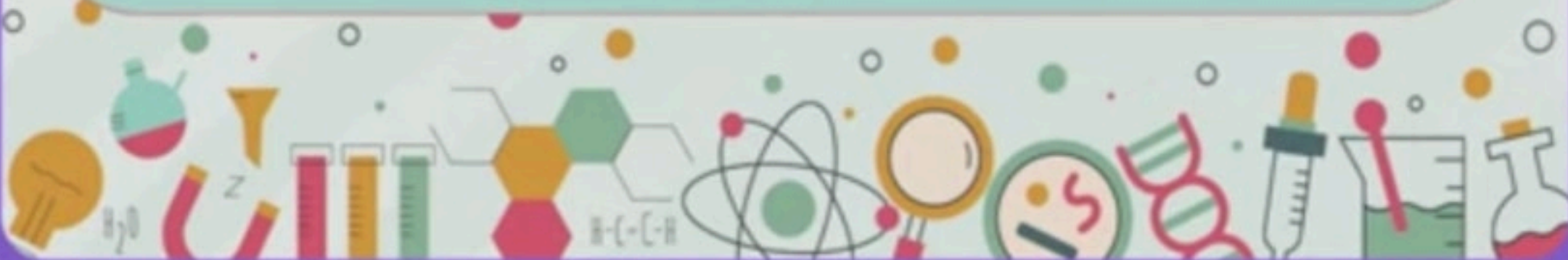
a-electric shock b- electric fire C- electric burn d-electric overload

2) Electric wires are covered with

A- copper b- iron c - plastic d- steel

3) All of the following are found in fluorescent except....

a- mercury vapor b- argon gas c- phosphoric material d- air



Aprils model exam 1

☐ Choose the correct answer:

4) By increasing the number of lamps in series connection, light intensity

A- increase ☒ b- decrease c- remain the same d- all the previous

5) Is a device that converts electric energy into light energy.

A- electric iron b- washing machine ☒ c- electric lamp d- speakers

6) Light bulbs are connected in At house.

☒ A- parallel b- series c- one route d- b and c



Aprils model exam 2

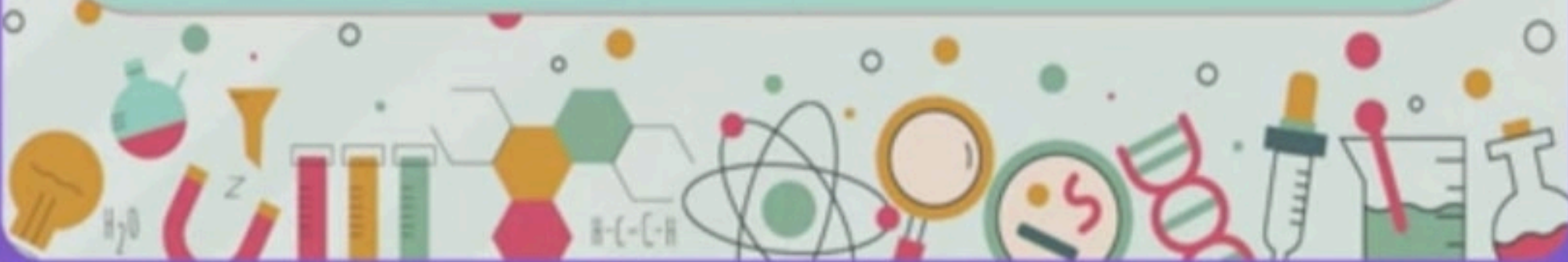
☐ Choose the correct answer:

1) occurs due to placing flammable material beside electric machine that generated heat.

A-electric shock **b- electric fire** C- electric burn d-electric overload

2) Materials that doesn't allow electricity to flow are called

A- good conductors of electricity B- good conductors of heat
C- bad conductors of electricity D-bad conductors of heat



Aprils model exam 2

☐ Choose the correct answer:

3) Connect the lamp with electricity.

A- tungsten b- copper and lead wires c- argon gas **d- base**

4) By unscrewing one of the lamps in parallel connection the other lamps.....

A- turn off **b- remain working** c- decrease intensity d- burn

5) is a continuous , bright and smoke free source of light.

a)Sun b)candle **c)electric lamp** d)torch

6) Which of the following is not a component of electric circuit.

A- lamp **b- coin** c- wire d- battery

